

Substitute for form 1449A/PTO (modified)

Application Number

10/608930

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Filing Date

June 27, 2003

First Named Inventor

Craig R. Schardt

Art Unit

Unknown 2871

Examiner Name

Unknown

Attorney Case Number

57211US005

(Use as many sheets if necessary)

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## U.S. Patent Documents

Exam. Init.*	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code (if known)			
TN	A1	US- 5,388,110	02-07-1995	Snitzer	
TN	A2	US- 5,426,656	06-20-1995	Tohmon et al	
TN	A3	US- 6,154,598	11-28-2000	Gavrlovic et al	
TN	A4	US- 6,463,201 B2	10-08-2002	Aiso et al	
TN	A5	US- 2002/0021882 A1	02-21-2002	Wyatt et al	
TN	A6	US- 2002/0064366 A1	05-30-2002	Cole et al	
	A7	US-			
	A8	US-			

## Foreign Patent Documents

Exam. Init.*	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation (Check if yes)
		Ctry. Code	Number-Kind Code (if known)				
TN	B1	JP	04-349141 /	12-03-1992			X
TN	B2	JP	07-058399 /	03-03-1995			X
TN	B3	JP	2001-210898 /	08-03-2001			X
TN	B4	KR	2000-0027961 /	05-15-2000			X
TN	B5	WO	00/55101 /	09-21-2000			
TN	B6	WO	03/002475 A1 /	01-09-2003			
	B7						

## OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
TN	C1	J.R. BONAR, et al; "Blue Light Emission in Thulium Doped Silica-on-Silicon Waveguides", <i>Optics Communications</i> (1 Sept. 1997); Vol. 141, pp. 137-140
TN	C2	A.F. EL-SHERIF & T.A. KING; "Dynamics and Self-Pulsing Effects in Tm <sup>3+</sup> -Doped Silica Fibre Lasers", <i>Optics Communications</i> (15 July 2002); Vol. 208; pp. 381-389
TN	C3	D.C. HANNA, et al; "Frequency Upconversion in Tm- and Yb : Tm-Doped Silica Fibers", <i>Optics Communications</i> (15 Aug. 1990); Vol. 78, No. 2; pp. 187-194
TN	C4	H. JEONG & K. OH; "Characterization of Amplified Spontaneous Emission Light Source from an Er <sup>3+</sup> /Tm <sup>3+</sup> Co-doped Silica Fiber"; <i>Conference on Lasers and Electro-Optics, Technical Digest, Postconference Ed.</i> (May 7-12, 2000); TOPS Vol. 39; pp. 544-545; Optical Society of America

\*Examiner: *ryugetNham*

Date Considered:

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TN	C5	J.R. LINCOLN, et al; "Time Resolved and Site Selective Spectroscopy of Thulium Doped Into Germano- and Alumino-Silicate Optical Fibres and Preforms", <i>Journal of Luminescence</i> (1991); Vol. 50; pp. 297-308
TN	C6	"Lucent Technologies announces two new erbium-doped fibers for the extended L-band the C-band"; Lucent Technologies [online]; [available on the internet October 1, 2001]; [retrieved from the internet January 23, 2003 at <a href="http://www.lucent.com/press/1001/011001.nsf.html">www.lucent.com/press/1001/011001.nsf.html</a> ]
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TN	C8	A. MORI, et al; "1.5 $\mu$ m Broadband Amplification by Tellurite-Based EDFAs"; <i>Conference on Optical Fiber Communications, Technical Digest, Postconference Ed.</i> OSA Technical Digest Series (1997); Vol. 6; pp. 371-374; Optical Society of America
TN	C9	R.L. SHUBOCHKIN, et al; "Er <sup>3+</sup> - Tm <sup>3+</sup> Co-doped Silica Fiber Laser"; <i>OSA TOPS</i> (1999); Vol. 26 Advanced Solid-State Lasers; pp. 167-171; Optical Society of America
TN	C10	A.P. OTTO, et al, "Red to Blue Upconversion in Tm-Doped Sol-Gel Silicate Glasses"; <i>Journal of Non-Crystalline Solids</i> (2000); Vol. 265; pp. 176-180
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TN	C12	M.V.D. VERMELHO, et al; "Efficient and Thermally Enhanced Frequency Upconversion in Yb <sup>3+</sup> -Sensitized Tm <sup>3+</sup> -Doped Silica-on-Silicon Buried Waveguides Excited at 1.064 $\mu$ m"; <i>Optical Materials</i> (2001); Vol. 17; pp. 419-423
TN	C13	X. ZOU, et al; "Mechanisms of Upconversion Fluorescences in Er <sup>3+</sup> , Tm <sup>3+</sup> Codoped Fluorozirconaluminate Glasses"; <i>Journal of Non-Crystalline Solids</i> (1995); Vol. 181; pp. 100-109

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